

AMEF'YEV, T. I.

Beets and Beet Sugar

Question of overall mechanization of sugar-beet cultivation. Sots. sel'.khoz. 23,
no. 4, April 1952.

MONTHLY LIST OF RUSSIAN ACCESSIONS, LIBRARY OF CONGRESS, AUGUST 1952. UNCLASSIFIED.

AREF'YEV, Tikhon Ivanovich; YELAGIN, Mikhail Nikolayevich; IVANOVA, A.N.,
red.; PEVZNER, V.I., tekhn.red.

[Economy of collective beet farms] Ekonomika svekloseiushchikh
kolkhozov. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1960. 172 p.
(MIRA 13:5)

(Sugar beets)

BUZANOV, I.F., red.; VARSHAVSKIY, B.Ya., red.; ORLOVSKIY, N.I., red.;
PODTYKAN, Ya.P., red.; SHEVCHENKO, V.N., red.; POZHAR, Z.A.,
red.; AREF'YEV, T.I., red.; USHAKOV, A.F., red.; MAKSIMOVICH,
A.Ye., red.; SIDOROV, A.A., red.; DANIKOVA, M.G., red.;
SERDYUK, B.M., red.; LAPCHENKO, K.P., ~~tekhn.~~ red.

[Basic conclusions of research work in 1959-1960] Osnovnye vy-
vody nauchno-issledovatel'skikh rabot za 1959-1960 gg. Kiev,
Izd-vo UASKhN, 1962. 308 p. (MIRA 16:4)

1. Kiev. Vsesoyuznyy nauchno-issledovatel'skiy institut sa-
kharnoy promyshlennosti. 2. Deystvitel'nyy chlen Vsesoyuznoy
akademii sel'skokhozyaystvennykh nauk im.V.I.Lenina (for
Buzanova).

(Sugar beets--Research)

AREF'YEV, T.I., kand. ekon. nauk; BRASLAVETS, M.Ye., prof., doktor ekon. nauk; BROZGUL', M.M.; VLASOV, N.S., prof., doktor ekon. nauk; DUBROVA, P.F., doktor ekon. nauk; YESAULOV, P.A., kand. sel'khoz. nauk; ZAL'TSMAN, L.M., prof., doktor sel'khoz. nauk; KAL'M, P.A., dotsent, kandidat sel'skokhoz. nauk; KOSTSELETSKIY, N.A., kand. ekon. nauk; KRYLOV, V.S., kand. sel'khoz. nauk; LIBKIND, A.S., dots., kand. ekon. nauk; MAKAROV, N.P., prof., doktor ekon. nauk; OGLOBLIN, Ye.S., kand. sel'khoz. nauk; POLOVENKO, S.I., kand. ekon. nauk; POPOV, S.A., dots., kand. ekon. nauk; SAPIL'NIKOV, N.G., doktor ekon. nauk; TISHCHENKO, G.A., prof., kand. ekon. nauk; TYUTIN, V.A., prof., doktor ekon. nauk; YANYUSHKIN, M.F., kand. ekon. nauk; PYLAEVA, A.P., red.; FREYDMAN, S.M., red.; SOKOLOVA, N.N., tekhn. red.

[Organization of socialist agricultural enterprises] Organizatsiya sotsialisticheskikh sel'skokhoziaistvennykh predpriyatii; kurs lektsii. Moskva, Sel'khozizdat, 1963. 662 p.

(MIRA 16:8)

1. Zaveduyushchiy otdelom ekonomiki Vsesoyuznogo nauchno-issledovatel'skogo instituta sakharnoy svekly (for Aref'yev).
2. Odesskiy sel'skokhozyaystvennyy institut (for Braslavets).

BUZANOV, I.F.; SAMBUROV, V.I.; YEMETS, G.M.; ORLOVSKIY, N.I.;
NEGOVSKIY, N.A.; FEDOROV, A.I.; GREKOV, M.A.; KURBATOV,
S.T.; MEL'NICHUK, A.N.; TONKAL', Ye.A.; GORNAYA, V.Ya.;
ROZHDESTVENSKIY, I.G.; SIDOROV, A.A.; KUDARENKO, F.F.;
BROVKINA, Ye.A.; GELLER, I.A.; DOBROTVORTSEVA, A.V.;
VARSHAVSKIY, B.Ya.; KUTSURUBA, N.V.; KUZ'MICH, S.I.;
PRESNYAKOV, P.V.; USHAKOV, A.F.; SHEVCHENKO, V.N.;
KHUCHUA, K.N.; PETRUKHA, Ye.I.; POZHAR, Z.A.; SHAPOVALOV,
P.T.; AREF'YEV, T.I.; GRIGOR'YEVA, A.I., red.; BALLOD,
A.I., ~~tekhn.~~ red.

[Sugar beets] Sakharmaia svekla. Moskva, Sel'khozizdat,
1963. 487 p. (MIRA 16:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sa-
kharnoy svekly. 2. Nauchnyye sotrudniki Vsesoyuznogo
nauchno-issledovatel'skogo instituta sakharney svekly
(for all except Grigor'yeva, Ballod).
(Sugar beets)

LAPTEV, I.D.; TERYAYEVA, A.P.; SAPIL'NIKOV, N.G.; CHENTSOV, R.Ye.
[deceased]; SEPP, Ya.P.; SUVOROVA, L.I.; ZASLAVSKAYA, T.I.;
GREKOVA, A.I.; TONKOVICH, V.S.; IBRAGIMOV, A.I.; KOTSYUBA,
T.Ya.; KURYLEV, Y.M.; KOVALEVSKIY, G.T.; KALYNIN, A.A.
[Kalnins, A.]; SIDOROVA, M.I.; MALISHAUSKAS, V.I.
[Malisauskas, V.]; PASECHNIK, P.P.; BUGAREVICH, V.S.;
KARNAUKHOVA, Ye.I.; AREF'YEV, T.I.; KAZAKOV, I.G.;
GUMOVSKIY, I.A.; SEMIN, S.I., red.; LINKUNA, N.I., red.;
TSITKO, I.A., red.; VOLKOVA, V.V., tekhn. red.

[Material incentives for developing the collective farm produc-
tion] Material'noe stimulirovanie razvitiia kolxoznogo pro-
izvodstva. Moskva, Izd-vo AN SSSR, 1963. 326 p.

(MIRA 16:12)

1. Akademiya nauk SSSR. Institut ekonomiki. 2. Institut eko-
nomiki AN SSSR (for Laptev, Teryayeva, Suvorova, Zaslavskaya,
Sidorova, Karnaukhova). 3. Sredneaziatskiy gosudarstvennyy uni-
versitet (for Sapil'nikov). 4. Komi filial AN SSSR (for Chentsov).
5. Institut ekonomiki AN Estonskoy SSR (for Sepp). 6. Bashkirskiy
filial AN SSSR (for Grekova). 7. Institut ekonomiki AN Belo-
russkoy SSR (for Tonkovich, Kovalevskiy). 8. Institut ekonomiki
AN Uzbekskoy SSR (for Ibragimov)

(Continued on next card)

LAPTEV, I.D.--- (continued). Card 2.

9. Institut ekonomiki AN Ukr.SSR (for Kotsyuba, Pasechnik).
 10. Belorusskiy institut ekonomiki i organizatsii sel'sko-khozyaystvennogo proizvodstva (for Bugarevich).
 11. Vsesoyuznyy institut sakharnoy svekly (for Aref'yev).
 12. Institut ekonomiki AN Kirgizskoy SSR (for Kezakov).
 13. Rabotnik Tsentral'nogo komiteta Kommunisticheskoy partii Moldavskoy SSR (for Gurovskiy).
 14. Kurybyshevskiy planovyy institut (for Kurylev).
- (Collective farms--Income distribution)

ALTAYSKIY, I.P., kand. sel'khoz. nauk; CHESHKOV, A.F., kand. ekon. nauk; MALIN, A.S., kand. ekon. nauk [deceased]; BOROVSKIY, V.A., kand. ekon. nauk; AREF'YEV, T.I., kand. ekon. nauk; GLINYANYI, V.G., kand. ekon. nauk; FRAYER, S.V., kand. sel'khoz. nauk; VINTAYKIN, Z.P., kand. ekon. nauk; DUDOROV, I.T., kand. ekon. nauk; BUSAROV, N.A., kand. sel'khoz. nauk; LUK'YANOV, A.D., kand. sel'khoz. nauk; RAKITINA, Ye.D., red.; SOKOLOVA, N.N., tekhn. red.

[Production brigades on collective and state farms] Proizvodstvennye brigady v kolkhozakh i sovkhozakh. Moskva, Sel'khozizdat, 1963. 374 p. (MIRA 17:1)
(Farm management)

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESS AND PROPERTIES INDEX																			
AREF'YEV, T.V. Testing Ring-Shaped Specimens. (In Russian.) T.V. Aref'yev. <i>Zavodskaya Laboratoriya</i> (Factory Laboratory), v. 15, May 1949, p. 589-594. Proposed use of above for tensile testing. This method is suitable for determination of yield point, yield strength, and relative residual elongation and contraction. Test procedure and structural details of apparatus are described. Comparative data for ring-shaped and standard specimens are tabulated and charted.																			
ASH I.A. DETALLURGICAL LITERATURE CLASSIFICATION										FROM ROMANY									

AREF'YEV, T. V. ka ndidat tekhnicheskikh nauk

Sectional block building of superstructures. Rech. transp.
14 no.6:24-26 Je '55. (MLRA 8:9)
(Shipbuilding)

AREF'YEV, T.V., kandidat tekhnicheskikh nauk.

Substantiating the choice of the keel block method of assembling
ships. Sudostroenie 23 no.2:41-46 F '57. (MLRA 10:5)
(Shipbuilding)

DORMIDONTOV, Vladimir Konstantinovich; AREF'YEV, Timofey Vasil'yavich;
KISELEVA, Nina Arsen'yevna; KUZ'MENKO, Vladimir Kuz'mich;
LUK'YANOV, Petr Grigor'yevich[deceased]; NIKITIN, Yevgeniy
Ivanovich; TURUNOV, Savva Matveyevich; CHERVYAKOV, V.I., laureat
Leninskoy premii, inzh., retsenzent; MESHCHERYAKOV, V.V., inzh.,
retsenzent; KAZAROV, Yu.S., red.; CHISTYAKOVA, R.K., tekhn. red.

[Shipbuilding technology] Tekhnologiya sudostroeniia. Pod ob-
shchei red. V.K.Dormidontova. Leningrad, Sudpromgiz, 1962. 695 p.
(MIRA 16:1)

(Shipbuilding)

L 09136-67 EWT(m)/EWP(v)/EWP(j)/EWP(t)/ETI/EWP(k) IJP(c) JD/HM/RM/WW.
 ACC NR: AP6031281 (N) SOURCE CODE: UR/0229/66/000/008/0054/0058
 AUTHOR: Aref'yev, T. V.; Dormidontov, V. K.
 ORG: None 31
 TITLE: Glued joints in shipbuilding
 SOURCE: Sudostroyeniye, no. 8, 1966, 54-58
 TOPIC TAGS: marine engineering, glue, glue welding, metal gluing, fiberglass, reinforced plastic
 ABSTRACT: The authors study various types of glued joints, select the best types of glue for their respective uses and test glued joint specimens for strength. The results of this study showed that the use of metal, plastic-composition and combination glued joints is feasible in shipbuilding. Static load and vibration testing showed that glued steel and fiberglass-reinforced plastic joints are as strong as welded joints and further that glued joints made of light alloy and fiberglass-reinforced plastics are stronger than welded joints. It was also shown that a glued joint incorporating two fiberglass-reinforced plastic members may be stronger than a single unit made up of pure fiberglass-reinforced plastic. It is suggested that a series of designs be put forth which can be realized completely by gluing in order to make the introduction of glued, glued-welded and glued-riveted joints easier. Among other recommendations is standardization of boatbuilding and mechanizing gluing. Orig. art. has: 3 tables.
 SUB CODE: 13// SUBM DATE: None/ ORIG REF: 005
 Card 1/1 nst
 UDC: 621.792

AREF'YEV, V.

Tires manufactured in excess of the plan. NTO no.1:52 Ja '59.

1. Zamestitel' glavnogo inzhenera Yaroslavskogo shinnogo zavoda. (MIRA 12:2)
(Yaroslavl--Tires, Rubber)

AREF'YEV, V., inzh. (Sverdlovsk)

Library for 150,000 volumes. Na #troi. Ros. no.10:34 0 '61.

(MIRA 14:11)

(Sverdlovsk--Libraries, Regional)

AREF'YEV, V.

Scouts of the chemistry of big molecules. NTO 6 no. 6:23-26
Je '64. (MIRA 17:8)

1. Predsedatel' soveta Vsesoyuznogo khimicheskogo obshchestva
im. Mendeleeva i glavnyy inzh. Yaroslavskogo shinnogo zavoda.

AREF'YEV, V.A.

Limans of the Caspian Depression. Priroda 45 no.5:85-88 My '56.
(MLRA 9:8)

1. Institut geografii Akademii nauk SSSR,
(Caspian Depression--Irrigation)

KARPOV, A.S., inzh. (Kaliningrad); TERESHCHENKO, V.I., mekhanik
puteizmeritel'noy teletzhi (Stantsiya Belgorod, Yuzhnoy dorogi);
AREF'YEV, V.A., starshiy dorozhnyy master (Stantsiya Poletayevo I,
Yuzhno-Ural'skoy dorogi)

Letters to the editor. Put' i put.khoz. 5 no.8:45 Ag '61.
(Railroads) (MIRA 14:10)

REF: YEV, V. 20

INFLUENCE OF THE ADDITION OF CALCIUM CARBONATE ON THE MELTING POINT OF SHALE ASH. V. Aref'ev. *Tekhnol. 4, No. 2, 30 (1958).*—The low m. p. of shale ash leads to difficulties in its utilization for the production of cement. The addition of CaCO_3 to the fuel introduced in the kiln in a proportion of almost 40% (wt) of the total ash content raised the m. p. of the ash considerably and improved the burning process. E. R. Stefanowsky

AS 0-11-1 DETALLURGICAL LITERATURE CLASSIFICATION

AREF'YEV, V.A.

Method for determining technical norms for rotary kilns. Trudy
GIPROTSEMENT 8:69-82 '47. (MLRA 10:4)
(Kilns, Rotary)

AREF'YEV, V.A., inzhener.

Rotary kilns functioning with a water cooling system of the,
clinkering zone. TSement 17 no.6:3-5 N-D '51. (MLRA 9:8)
(Leningrad--Kilns, Rotary)

ARTF'YEV, V. A. Eng.

Perfecting rotary kilns. TSement 18, no. 3, 1952.

SO: MLRA, October 1952.

HKP YEV, V.N.

Shale coke as raw material and fuel in cement industry.
V. A. Aref'ev (Cement Plant, Leningrad). *Tsiment* 20,
No. 4, 4-6 (1954). Satisfactory portland cement clinker
was obtained by firing mixts. of coke and limestone with
1:3, 1:2, and 1:1 coke-to-limestone. The coke contained
C, 87.20; H, 1.20; N, 0.8; and combustibles 17-12%
and a heat capacity of 1100-1300 kcal. The clinker con-
tained SiO_2 21, Al_2O_3 5.6, Fe_2O_3 5.0, CaO 64.4, MgO 2.04,
18.4, CaF_2 0.3, and C_2A 18.6%. The crushing strength of
1:3 specimens after 3, 7, and 28 days was as high as 350,
475, and 665 kg./sq. cm., resp. Up to 15% ash was pro-
vided to clinker by the 1:1 fuel mixt. and about 7.5% by
the 1:3 mixt.
B. Z. Kamich

AREF'YEV, V.A.

Shale coke is a useful material in the cement industry. Trudy
VNIIPS no.3:219-228 '55. (MIRA 8:12)
(Baltic Sea region--Oil shales) (Hydrocarbons)

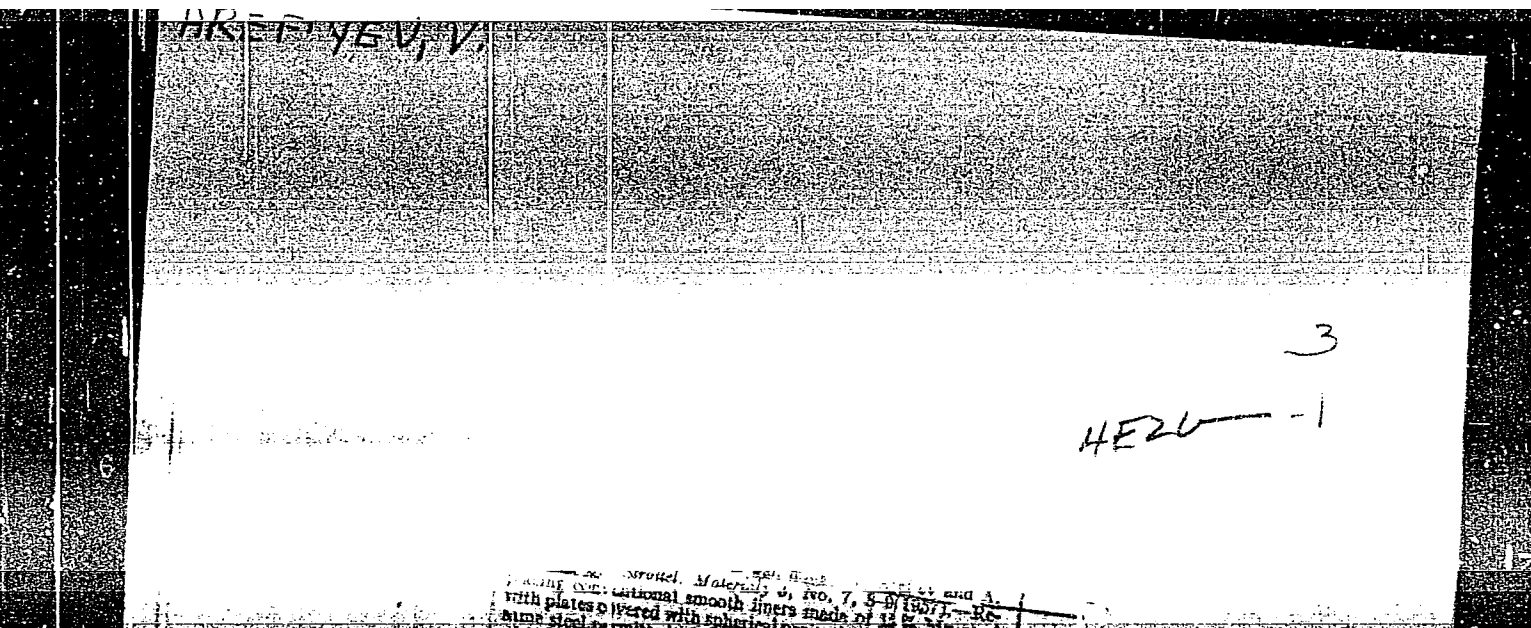
AREF'YEV, V.A., inzhener.

Work practices in Czech cement mills. TSement 22 no.4:27 J1-Ag '56.
(MLRA 9:10)

(Czechoslovakia--Cement industries)

AREF'YEV, V., inzhener.

Work of rotary kilns fired with high-pressure gaseous fuels.
Stroi. mat. 3 no.4:20-21 Ap '57. (MIRA 10:6)
(Kilns, Rotary) (Gas as fuel)



AREF'YEV, V.A., inzhener; CHERNENKO, A.S., inzhener; TEACHEV, V.V., inzhener.

Increasing ball mill productivity. TSement 23 no.1:21-23 Ja-P '57.
(Crushing machinery) (MLRA 10:4)

AREF'YEV, V.A., inzh.; IVANISHCHEV, G.G., inzh.

Brief news. TSement 26 no.3:31 My-Je '60. (MIRA 13:7)
(Cement industry)

ANISIMOV, N.M.; AREF'YEV, V.A.; VINSHTEYN, E.S.; ZATSEPELIN, V.G.

Pneumatic mixing of raw mixes. TSement 26 no.5:19-22 S-0 '60.

(Krivoy Rog--Cement plants)

(MIRA 13:10)
(Mixing machinery)

AREF'YEV, V.A.; TKACHEV, V.V.

Technical consultation. TSement 27 no.3:31 My-Je '61. (MIRA 14:7)

1. Giprotsement.
(Cement plants--Equipment and supplies)

SYCHEV, Maksim Maksimovich; AREF'YEV, V.A., inzh., nauchnyy red.;
ROTENBERG, A.S., red. izd-va; PUL'KINA, Ye.A., tekhn. red.

[Technical properties of raw cement mixes] Tekhnologicheskie
svoistva syr'evykh tsementnykh shikht. Leningrad, Gosstro-
izdat, 1962. 135 p. (MIRA 15:10)

(Cement)

AREF'YEV, V.A.; VOLKONSKIY, B.V.; SEMENDYAYEV, A.F.

Main trends in the improvement of the technology of cement
manufacture. TSement 28 no.2:5-6 Mr-Ap '62. (MIRA 15:8)

1. Gosudarstvennyy institut po proyektirovaniyu predpriyatiy
i nauchno-issledovatel'skim rabotam tsementnoy promyshlennosti.
(Cement plants)

AREF'YEV, V.A., inzh.

Gas nozzles on rotary kilns. TSement 28 no.3:22-23 My-Je '62.

(MIRA 15:7)

1. Gosudarstvennyy institut po proyektirovaniyu predpriyatiy
i nauchno-issledovatel'skim rabotam tsementnoy promyshlennosti.
(Kilns, Rotary--Equipment and supplies)
(Nozzles)

AREF'YEV, V.A.

Shortcomings of the snow removing machine. Put' 1 put. khoz. 8
no.10:41 '64. (MIRA 17:12)

1. Stantsiya Poletayevo, Yuzhno-Ural'skoy dorogi.

AVERKIYEV, A.S., red.; AGEYEV, Ya.P., dots., otv. red.; AREF'YEV, V.A., dots., kand. ekon. nauk, red.; DEMIDOV, S.F., akademik, red.; KARSHIN, V.Ye., dots., red.; KOGAN, A.Ya., starshiy prepodav., red.; MAKHALOV, V.I., starshiy prepodavatel', red.; PITAYEVSKIY, P.I., prof., red.; SLOBODIN, V.M., prof., red.; SHOLOKHOV, Ye.I., red.

[Problems in the new system of agricultural planning] Voprosy novogo poriadka planirovaniia sel'skogo khoziaistva; trudy. Kuibyshev, Kuibyshevskii planovoi in-t, 1961. 419 p. (MIRA 15:12)

1. Mezhevuzovskaya nauchnaya konferentsiya, Kuibyshev, 1960.
2. Zamestitel' predsdatelya Kuibyshevskoy oblastnoy komissii (for Averkiyev).
3. Kuibyshevskiy planovyy institut (for Ageyev, Makhalov, Karshin).
4. Deystvitel'nyy chlen Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni V.I.Lenina i Moskovskaya ordena Lenina sel'skokhozyaystvennaya akademiya imeni K.A.Timiryazev (for Demidov).
5. Ural'skiy filial Akademii nauk SSSR (for Slobodin).
6. Zamestitel' nachal'nika otдела sel'skogo khozyaystva i zagotovok Gosudarstvennogo planovogo komiteta Soveta Ministrov RSFSR (for Sholokhov).

(Agricultural policy)

AREF'YEV, V.A., inzh

What should be the design of heavy-duty rotary kilns? TSement 30
no.6:14 N-D '64. (MIRA 18:1)

1. Vsesoyuznyy gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy
institut tsementnoy promyshlennosti.

AREF'YEV, V.A.

Special pads. Put' i put. khoz. 9 no.2:39 '65.

(MIRA 18:7)

1. Stantsiya Poletayevo I, Yuzhno-Ural'skoy dorogi.

AREF'YEV, V.A., inzh.; DUMENT, P.M., inzh.

Use fuel and electric power economically. Tsiment 3i no.2:1-2
Mr-Ap 165. (MIRA 18:8)

1. Gosudarstvennyy vsesoyuznyy institut po proyektirovaniyu i
nauchno-issledovatel'skim rabotam tsementnoy promyshlennosti,
Leningrad.

AREF'YEV, V.B.; LEVIN, A.A.; SHCHEDRIN, B.M.; PORAY-KOSHITS, M.A.

Realization of an "algebraic" method for finding symbols by a large computer. Zhur. strukt. khim. 5 no.6:902-905 N-D '64. (MIRA 18:4)

1. Institut obshchey i neorganicheskoy khimii imeni Kurnakova AN
SSSR i Vychislitel'nyy tsentr Moskovskogo gosudarstvennogo universiteta.

AREF'YEV, V.B.; SHCHEDRIN, B.M.; LEVIN, A.A.

Experimental study of the X-criterion by means of an electronic computer. Zhur. strukt. khim. 6 no.1:137-140 Ja-F '65.

(MIRA 18:12)

1. Vychislitel'nyy TSentr Moskovskogo gosudarstvennogo universiteta i Institut obshchey i neorganicheskoy khimii imeni N.S.Kurnakova AN SSSR. Submitted May 23, 1963.

Aref'yev, V.I.
AUTHORS: Moshkov, A. D., and Aref'yev, V. I.

TITLE: Electrical Spring Dynamometer for Measuring Moment of Friction
(Elektropruzhinnyy dinamometr dlya izmerenniya momenta treniya)

PERIODICAL: Zavodskaya Laboratoriya, 1957, Vol. 23, No. 1, pp. 102-103

ABSTRACT: The authors compare various systems of measuring the moment of friction, such as dynamometers operating with springs or weights. The weights are found to give more accurate results but to be very time-consuming. They describe a new dynamometer developed by them which uses electrical principles similar to those of the selsyn for recording the moment of friction produced by a spring. A diagram showing the principle of this dynamometer is presented. Tests showed that for moment of friction up to 90 kg/cm the accuracy of recording was $\pm 0.5\%$.

ASSOCIATION: Tashkent Institute of Railroad Transportation Engineers
(Tashkentskiy institut inzhenerov zheleznodorozhnogo transporta)

Card 1/2

Electrical Spring Dynamometer for Measuring Moment
of Friction

PRESENTED BY:

SUBMITTED:

AVAILABLE:

Card 2/2

KOZAK, Yu.A.; AREF'YEV, V.I.

Using the by-products of the artificial dehydration of peat
dumped with waste waters. Trudy VNIIT no.13:190-195 '64.
(MIRA 18:2)

AREF'YEV, V.I. [Aref'iev, V.I.]; BUCHINSKIY, B.A. [Buchyns'kiy, B.A.]

Unit combining the KO-3-230 finishing calander and EM-230 spraying machine for the simultaneous processing of two fabric sheets. Inh. prom. no.2:69-70 Ap-Je '65. (MIRA 18:10)

VOLKOV, I.Ye.; SHMIDT, L.I.; AREF'YEV, V.I.

Detarring the industrial waste waters of the gas-shale
plant of the "Slantsy" Combine by pressure flotation. Trudy
VNIIT no.12:246-252 '63. (MIRA 18:11)

L 48587-65 EWT(m)/EWP(j) Po-1 EM

ACCESSION NR: AK5005877

S/0081/64/000/023/S058/S058

SOURCE: Ref. zh. Khimiya, Abs. 238347

AUTHOR: Sidorov, V. A.; Rogov, V. M.; Aleksandrov, K. N.; Trosman, G. M.;
Aref'yev, V. N.

TITLE: A study of the dependence of the principal physicochemical properties
of elastic polyurethan foams on technological factors. Part 1.

CITED SOURCE: Nauchno-issled. tr. Vses. n.-i. in-t plenochn. materialov i
iskusstv. kozhi, sb. 15, 1964, 44-52

TOPIC TAGS: polyurethan, foam plastic, elastic foam, polyurethan density,
polyurethan mechanical property, polyurethan foam manufacture, foam plastic
mixing, toluylene diisocyanate, foam coefficient, pore size

TRANSLATION: A study of the dependence of the principal physicochemical pro-
perties of polyurethan foams on the technological factors which have an effect on
their quality was carried out on the UBT-65 industrial mixing and casting machine
and on the BSK-1 laboratory installation (standard mixing chamber), developed by
VNIPIK, which is an industrial machine in miniature. The rate of rotation of
the cross-shaped blade mixer was 3,000, 4,000 and 5,000 rpm, the angle between
Card 1/2

48582-65

ACCESSION NR: AR5005877

the blades and the axis of the shaft was 95°, and power of the compressor was 5 atmospheres. The results showed that the strength of polyurethan foam depends primarily on its density, which is directly related to its water content and the stoichiometrically corresponding content of toluylene diisocyanate. The foam coefficient affects both the physicochemical properties (the elasticity of polyurethan foam is reached at a foam coefficient of 30-110%) and the exothermic nature of the chemical reactions (maximal at a foam coefficient of 100%). As the foam coefficient decreases, the rupture strength also decreases, while the relative and residual elongation are increased. The pore size is affected by surface-active agents (it is recommended that paraffin oil, silicone derivatives, etc. be added to increase the pore size) and by a change in pressure in the mixing chamber produced by matching of the diameter of the reducing disk to the overflow pipe. It was found that polyurethan foam acquires stable physicochemical properties only after 48 hours, not 24 hours. The quality of polyurethan foam is affected by the rate of rotation of the mixer, the temperature of the raw material ($\leq 18^\circ\text{C}$) and its properties, the presence of air inclusions in the polyether, etc.

SUB CODE: MT

ENCL: 00

Card 2/2

AREF'VEY V.P.
AID Nr. 974-11 22 May

SELF-EXTINGUISHING ELASTIC FOAMED POLYURETHANE (USSR)

Sidorov, V. A., I. M. Zverev, V. P. Aref'vay, and V. D. Samsonov.
Plasticheskiye massy, no. 4, 1963, 69-70. S/191/63/000/004/014/015

Self-extinguishing elastic foamed polyurethane IIIY has been prepared by adding up to 25 parts of tricresyl or trichloroethyl phosphate to 118 parts of the polyurethane starting material. The new material can be produced with existing equipment. The physical and mechanical properties of experimental self-extinguishing IIIY were shown to meet the TV 35 XII-395-62 r. specifications, but addition of phosphates considerably lowers the heat resistance of IIIY. The self-extinguishing IIIY is easier to make with tricresyl than with trichloroethyl phosphate, and the product has better physical and mechanical properties. [BAC]

Card 1/1

AREF'YEV, V.S.

Machine for bending assembling loops [Suggested by V.S. Aref'ev].
Rats. i izobr. predl. v stroi. no.6:24-26 '58. (MIRA 11:10)
(Reinforced concrete)

AREF'IEV, Y.

Meet the workers' needs more fully. Sov.profsoiuzy > no.3:30-33
Mr '57. (MLRA 10:4)

1. Master tkatskoy zavriki imeni Kirova, g.Ivanovo.
(Textile industry)

AREF'YEV, Ye.M.

Weaving of staple fiber fabrics. Tekst.prom. 20 no.8:57-58
Ag '60. (MIRA 13:9)
(Weaving)

USSR / Farm Animals. Honey Bee

Q-7

Abs Jour: Ref Zhur-Biol., No 3, 1958, 12205

Author : Aref'yev Ye. V.

Inst :

Title : More on the Keeping of Bees in Sesquistoried Hives
(Yeshche o soderzhanii pchel v polutorakorpusnykh
ul'yakh)

Orig Pub: Pchelovodstvo, 1957, No 5, 12-14

Abstract: A method of gradual extension of beehives by the addition of supers is described; in this way, first sesquistories and then two-storied beehives are created. The use of this system on a number of farms produced positive results.

Card 1/1

GLADKOV, V.A., kand. tekhn. nauk; AREF'YEV, Yu.I., inzh.

Examination of velocity fields in front of cooling tower fans.
Vod. i san. tekhn. no.6:29-32 Je '65. (MIRA 18:8)

AREF'YEV, Yu.I.; GLADKOV, V.A.; BUDANOV, V.D.

Plastic grill water collectors for water-cooling towers. Prom.stroi.
42 no.11:18-19 N '64. (MIRA 18:8)

L 41020-65 EWT(1)/EWA(h) Feb
ACCESSION NR: AP5008561

S/0286/65/000/006/0073/0073

AUTHOR(S): Panfilov, I. V.; Sverdlik, A. N.; Myshkin, G. P.; Sukonkin, A. P.; Aref'yev, Yu. I.

TITLE: A generator for normal distributions of random numbers for a Ural-1 electronic computer. Class 42, No. 16929C

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 6, 1965, 73

TOPIC TAGS: normal distribution, random number generation/ Ural 1 electronic computer

ABSTRACT: This Author Certificate presents a generator of normally distributed random numbers for a "Ural-1" electronic computer. The generator includes an equally probable data unit and is designed to increase the generation speed of normally distributed numbers. It contains "I" circuits with their inputs connected to the reference number register, whose outputs are connected to the machine adder. The generator also contains a control circuit with the respective orders of the register connected in series to the adder. The input of the adder is connected to the central controlling device of the machine, and the outputs of the adders are connected with the controlling elements of the gate group.

Card 1/2

L 41020-65

ACCESSION NR: AP5008561

ASSOCIATION: none

SUBMITTED: 28Apr62

NO REF SUY: 000

ENCL: 00

SUB CODE: DP, MA

OTHER: 000

Card

2/2

AREF'IEV, Z.S.; BOCHKAREV, V.V.; MIKHAYLOV, L.M.; TIMOREYEV, L.V.

Utilization of supplementary external packaging for the transportation of radioactive preparations. Med.rad. 6 no.3:68-71
'61.

(MIRA 14:5)

(RADIOISOTOPES)

AREF'YEVA, A.I.

Seasonal variations of the surface of sphagnum swamps under
the influence of hydrometeorological factors. Trudy GGI
no.105:80-108 '63. (MIRA 16:6)

(Swamps)

USSR / Forestry. Forest Cultures.

K

Abs Jour: Ref Zhur-Biol., No 7, 1958, 29599.

Author : Aref'yeva, A. K.

Inst : Not given.

Title : The Tree Plantings at the Khadzhiveyevsko-Kuyal'-
nitskaya Junction and the Problem of Planting
More Trees and Shrubs in Them.
Drevesnyye nasazhdeniya Khadzhibeyevsko-Kuyal'-
nitskoy perecyi i vopros ozeleneniya yeye).

Orig Pub: Prats Odes'k un-tu. Tr. Odessk. un-ta. 1956,
146, 3b. stud. robit, Sb. stud. rabot. No 4,
99-101.

Abstract: Khadzhibeyevsko-Kuyal'nitskaya junction is the
chief factory center of Odessa and is charac-
terized by saline soil. A survey of the parks
and campus plantings revealed 65 species and

Card 1/2

70

USSR / Forestry. Forest Cultures.

K

Abs Jour: Ref Zhur-Biol., No 7, 1958, 29599.

Abstract: forms of trees and shrubs (43 and 24 respectively) of which 27 were recognized to be hardy. An assortment of species is recommended for planting in diverse microrayons.

Card 2/2

AREF'YEVA, A.M.; GUTKINA, A.V.; YENENKO, S.O.; ZARKH, Ye.N.; SHUNGSKAYA,
V.Ye.

Cytochemical and luminescence microscopic study of nerve cells
in a tissue culture. TSitologiya 7 no.4:511-537 J1-Ag '65.

(MIRA 18:9)

1. Laboratoriya biofiziki zhivyykh struktur Instituta biologicheskoy
fiziki AN SSSR, Moskva.

GUTKINA, A.V.; RUBANTSIV, A.Yu.; AKEF'YEVA, A.M.

Intra-vitam luminescent-microscopic study of mitochondria.
Biofizika 9 no.6:681-685 '64. (MIRA 18:7)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.

AREF'YEVA, A.M.; GUTKINA, A.V.; YENENKO, S.O.; MITYUSHIN, V.M.;
SHUNGSKAYA, V.Ye.

Cytochemical and electron microscopic study of early changes
in ascitic Ehrlich's carcinoma cells following ionizing radia-
tion. Radiobiologiya 5 no.3:409-414 '65.

(MIRA 18:7)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.

AREF'YEVA, A.S.

✓ Blood proteins as a supplementary source for the preparation of the a-peptic diets. A. E. Sharpenak, A. S. Aref'eva, and V. S. Karpysheva (Nutrition Inst., Acad. Med. Sci. U.S.S.R., Moscow). *Voprosy Pitaniya* 15, No. 3, 22-0 (1956).—Dried blood preps. of meat animals contain more histidine (I) and tryptophen (II) than the muscle, as shown by the following chem. data: proteins 82.6 (dried cow blood), 81.87 (the dried blood of a 3-year-old steer), 82.25 (dried hog blood), and 16.0% (lean beef muscle); and arginine 7.31, 7.30, 7.48, and 14.6; lysine 10.18, 9.28, 8.07, and 10.6; tyrosine 1.87, 1.88, 1.60, and 2.1; cysteine 1.33, 1.30, 1.45, and 0.9; I S: S2, 8.15, 10.44, and 5.7; and II 2.28, 2.31, 2.33, and 1.7% of the total N, resp. The use of the blood preps. for preparing therapeutic diets is suggested. E. Wierbicki

3
Mad

EXCERPTA MEDICA Sec 6/Vol 13/6 Internal Medicine June 59

3090. BLOOD PROTEINS AS A SUPPLEMENTARY SOURCE OF HISTIDINE AND TRYPTOPHAN IN DIETETICS (Russian text) - Sharpenak A. E., Arefeva A. S. and Karpysheva V. S. Botkin Hosp. and Inst. of Nutr., USSR Acad. of Med. Scis, Moscow - VOPR, PIT. 1956, 15/3 (22-26) Tables 3

Attempts were made to find supplementary sources of protein nutrients containing in abundance certain amino-acids. The investigated products included dried slaughter-house blood and fresh blood taken from domestic animals. It has been found that meals which contained dried blood were well tolerated by patients, even those suffering from diarrhoea and active gastric ulcer. Dried slaughter-house blood and blood from animal donors were found to be valuable sources of protein with a very high histidine content and rich in tryptophan. It is recommended that dried blood should be widely used in hospital diets. References 7.

Krymskii - Moscow (S)

ACC NR: AP7003025

SOURCE CODE: UR/0203/66/006/004/0703/0706

AUTHOR: Aref'yeva, A. V.; Korpusev, V. N.; Lysenko, I. A.; Orlyanskiy, A. D.;
Ryabchikov, A. N.; Shuvarikova, N. F.

ORG: Institute of Applied Geophysics (Institut prikladnoy geofiziki)

TITLE: Results of a study of the wind regime in the meteor zone by the radar method

SOURCE: Geomagnetizm i aeronomiya, v. 6, no. 4, 1966, 703-706

TOPIC TAGS: atmospheric wind, meteorologic radar, signal to noise ratio

ABSTRACT: The method and results are presented of a study of wind circulation in the upper atmosphere conducted during the first half of 1964 near Moscow (56° N). The wind circulation was measured by radar tracking of meteor trail drifts at altitudes of 85—110 km.

The radar equipment used in the measurements had a coherent pulse output modulating a 33-Mc carrier. The pulse duration, repetition frequency, and power were 10 μsec, 500 cps, and approximately 100 kw, respectively. A form of coding was used in which every fifth pulse was distinct. A two stack transmitting antenna consisting of four 5-element Yagi antennas was employed. The receiver antenna had only one 5-element section. The

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UDC: 523.53:551.510.53

ACC NR: AP7003025

receiver sensitivity thus achieved was $2-3 \mu\text{v}$ at a signal-to-noise ratio of two. The display and recording equipment was triggered by the received pulses and was protected from spurious noise by 1) utilization of the coincidence of two consecutive marker pulses for correlating purposes, 2) pre-selection by repetition frequency discrimination, and 3) spurious signal suppression using a special detuned noise receiver. The displayed frames were filmed. Each frame contained information on the distance from the point of reflection of the transmitted pulse, the meteor echo diffraction pattern, the Doppler shift pattern, the date and time, and the antenna direction.

The horizontal component of the unit velocity of meteor trail movement was obtained from direct readings of the radial trail velocity components as recorded by the Doppler shifts. The direction of meteor trail movements was determined from the Doppler shift phase difference obtained at the outputs of two phase detectors in which the reference signals were approximately in quadrature.

The drift velocity readings had considerable fluctuations and, for this reason, were averaged on an hourly basis. The averages were used to study diurnal wind pattern changes. In order to secure meaningful averages using the equipment at hand (based on at least 50 measurements/hr),

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ACC NR: AP7003025

measurements were made alternately, first in the NS and then in the EW directions. The results obtained at the same time of day but for different days were combined. Thus, about 7000—9000 individual readings were recorded during one 5—7 day measurement session.

On the basis of the observation results, it was established that the magnitude and direction of winds varied from day to day and from month to month. The experimental curves of wind velocities were analyzed by Fourier series. i. e., they were reduced to a constant component and three harmonics (corresponding to 24-, 12-, and 8-hour variations). The second harmonic was predominant. The velocities of the zonal wind components attained maximum values of 20—30 m/sec in April and June. These velocities were lowest during January and March (1—5 m/sec); during February and May they were 12—15 m/sec. The direction varied from easterly during February and March to westerly during the April—May period, and again to easterly in June. The meridian wind components were directed to the south during every month except March. The magnitudes of these components varied from 5 to 18 m/sec; the maximum was observed in March.

Comparison of these results with the published data from similar studies at Manchester and Khar'kov established that similarities exist in.

Card 3/4

ACC NR: AP7003025

the monthly variations and that in all three cases the wind velocities decrease during spring and summer. The curves of the meridian wind components exhibit certain similarities, but the zonal component curves show closer agreement. The data are different when the relative magnitudes of the wind velocities for the three locations are considered. Both wind components at Manchester were weaker than those studied in the USSR. This is attributed to the different climatological conditions at the points of observation and to the different times of observation with respect to the 11-year solar activity cycle. Orig. art. has: 3 figures. [FSB: v. 2, no. 10]

SUB COD: 04,07 / SUBM DATE: 29Mar65 / ORIG REF: 004 / OTH REF: 003

Card 4/4

AREP'YEVA, I.

[Let's disseminate the experience of innovators] Rasprostraniam
opyt novatorov. [Moskva] Moskovskii rabochii, 1953. (MLRA 7:6)

1. Sekretar' partiynogo komiteta Moskovskogo khlopchatobumazhnogo
kombinata "Trekhgornaya manufaktura" imeni F.E.Dzershinskogo.
(Efficiency, Industrial)

KOVAL', V.G.; TOMASHEVICH, G.S.; KOROVENKOVA, A.I.; AREF'YEVA, L.M.

Correcting the norms for alcohol losses during the aging of liqueurs.
Trudy Ukr.NIISP no.č:132-136 '63. (MIRA 17:3)

ARAF'YEVA, M.M.

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

<u>Name</u>	<u>Title of Work</u>	<u>Nominated by</u>
Galovkin, M.A.	"Development of the	Leningrad Institute of
Chizhov, G.E.	Elements of the	Refrigeration and
Shkol'nikova, Ye.F.	Technology of Food	Dairy Industry
Araf'yeva, M.M.	Products' Refrigeration"	
Shagan, G.S.		

SO: W-30604, 7 July 1954

ННЕР /Е V H, M.M.

GOLOVKIN, N.A., doktor tekhnicheskikh nauk; CHIZHOV, G.B., doktor tekhnicheskikh nauk; AREF'YEVA, M.M.; ALYAMOVSKIY, I.G.; SHAGAN, O.S.

Natural losses of meat during long storage. Trudy LTIKHP 10:22-32 '56.

(MIRA 10:6)
1. Leningradskiy tekhnologicheskii institut kholodil'noy promyshlennosti.

(Mutton--Storage)

GOLOVKIN, N., professor; CHIZHOV, G., professor; ~~AREF'YEVA, M.~~; ALYAMOVSKIY, I.;
SHAGAN, O.

Natural losses in frozen mutton in lengthy storage. Khel.tekh.33 no.2:
25-30 Ap-Je '56. (Meat, Frozen) (MIRA 9:9)

VIRSKAYA, G.M.; AREF'YEVA, M.M.

Colloids of cottonseed hull hydrolyzates. Uzb. khim. zhur.
no.1:45-51 '60. (MIRA 14:4)

1. Sredneaziatskiy gosuniversitet imeni V. I. Lenina.
(Colloids) (Cottonseed)

ARBE'NYA, N.A.

ARBE'NYA, N.A., inzhener; FAL'BEVICH, A.S., kandidat tekhnicheskikh nauk.

Technical and economic effectiveness of various methods for welding
petroleum and gas pipelines. Stroitel'stvo, 2 no.6:17-21
1957. (MLRA 10:7)

(Pipelines--Welding)

VAYNSHTAYN, Boris Samoylovich.; ~~AREF'YEVA~~, Nina Andreyevna.; USPENSKIY,
V.V., red.; MORSKOY, K.L., red. izd-va.; EL'KINA, E.M., tekhn. rad.

[Economic effectiveness of using coarse porous concrete blocks
in construction; building practices in Ryazan] Ekonomicheskaya
effektivnost' stroitel'stva iz krupnoporistyykh betonnykh
blokov; opyt stroitel'stva v Riazani. Moskva, Gos. izd-vo lit-ry
po stroit., arkhitekt. i stroit. materialam, 1958. 50 p. (MIRA 11:12)
(Concrete blocks)

AREF'YEVA, N.A., inzh.; IVANTSOV, O.M., inzh.; SAKHAROV, G.V., inzh.

Technical and economic indices of tanks for storing petroleum
products. Stroi. truboprov. 5 no.7:16-19 J1 '60. (MIRA 13:9)
(Tanks)

AREF'YEVA, N.A., inzh.; KUPERMAN, Ya.M., kand.ekonom.nauk

Internal potentials for increasing labor productivity in pipeline
construction. Trudy VNIIST no.14:40-54 '62. (MIRA 16:12)

AREF'YEVA, N.A., inzh.; SAKHAROV, G.V., inzh.

Technical and economic indices of tanks for storing petroleum
products. Trudy VNIIST no.14:131-141 '62. (MIRA 16:12)

AREF'YEVA, N.V.; DIYKOV, U.V.; DOBROKHOTOV, A.G.; IZRAILOV, E.S.; KIRENKOV I.I.;
NIKITENKO, L.V.; SHEMETILLO, N.V.

New measurements of thermodynamic temperature with a gas thermometer.
Trudy inst.Kom.stand.mer i izm.prib. no.71:14-29 '63.

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii im.
D.I. Mendeleyeva. (MIRA 17:9)

S/081/61/000/011/014/040
B105/B203

AUTHORS: Aref'yeva, N. V., Diykov, U. V., Izrailov, K. S., Kirenkov,
I. I., Shemetillo, N. V.

TITLE: Measurement of the thermodynamic equilibrium temperature
between solid and liquid zinc, as well as solid and liquid
gold

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 11, 1961. 164, abstract
11E25 (Tr. in-tov Kom-ta standartov, mer 1 izmerit.
priborov pri Sov. Min. SSSR, 1960. vyp. 49 (109), 13-23)

TEXT: The authors describe a new gas thermometer of improved precision.
They give results of measurements of thermodynamic equilibrium temperatures
between liquid and solid Au, and between liquid and solid Zn, and study the
instrumental errors with which the parameters of the thermometer had been
determined. The improved design of the manometer and the use of new units
increased the precision of pressure measurements. [Abstracter's note:
Complete translation.]

Card 1/1

S/058/62/000/005/005/119
A160/A101

AUTHORS: Aref'yeva, N. V., Diykov, U. V., Izrailov, K. S., Kirenkov, I. I.,
Shemetillo, N. V.

TITLE: Thermodynamic temperatures of equilibrium between solid and liquid
zinc and between solid and liquid gold

PERIODICAL: Referativnyy zhurnal, Fizika, no. 5, 1962, 12, abstract 5A136
("Tr. in-tov Kom-ta standartov, mer i izmerit. priborov pri Sov.
Min. SSSR", 1961, no. 51 (III), 23-34)

TEXT: A description is given of the design of a gas-filled thermometer
built by the VNIM. Used in the thermometer are quartz tanks and capillaries
which secure high-precision measurements of the sizes of idle space and of the
heat expansion of the tank. To separate the working gas from the gas causing a
pressure on the mercury, a special chamber is used. The chamber is a zero
membrane-pressure gage with an error not exceeding $\pm 1 \mu\text{Hg}$. A specially-design.
capacitive-type (Ref. 5A148) gage serves as a reading instrument. The thermo-
meter is used for measuring the solidification points of zinc and gold, which are
found to equal to 419.57 ± 0.02 and 1064.4 ± 0.2 C, respectively.
[Abstracter's note: Complete translation] L. Filippov
Card 1/1

S/263/62/000/011/013/022
1007/1207

AUTHOR: Aref'yeva, N. V., Diykov, U. V., Izrailov, K. S., Kirenikov, I. I. and Shemetilo, N. V.
TITLE: Temperatures of thermodynamic equilibrium between solid and liquid zinc and between solid and liquid gold
PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk. 32. Izmeritel'naya tekhnika, no. 11, 1962, 37-38, abstract 32.11.290. "Tr. in-tov Kom-ta standartov, mer i izmerit. priborov pri Sov. Min. SSSR", no. 51 (111), 1961, 23-34

TEXT: Description is given of a constant-volume gas thermometer designed by the VNIIM for determining the melting and freezing points of zinc and gold. The quartz-glass thermometer well with a volume of 120 to 180 cm³, is provided with a quartz capillary tube 0.4-0.7 mm in diameter and 400-500 mm long. This tube is connected by a 0.5 mm stainless steel capillary tube to the separation chamber and through it, to a mercury pressure-gage. The thermometer well is filled with pure nitrogen, whose pressure, at the temperature of the ternary point of water, is selected so that, at the temperature to be measured, it will be close to the atmospheric pressure. The separation chamber represents a zero-differential manometer. The sensitive diaphragm mounted in the chamber separates the working gas in the well from the gas that exerts pressure

Card 1/2

Temperatures of thermodynamic equilibrium between...

S/263/62/000/011/013/022
1007/1207

on the mercury, thus permitting the pressure of both gases to be equalized. Displacement of the diaphragm is controlled by the capacity method through an a.c. bridge, with an error not exceeding 1 micr. Hg. The mercury pressure-gage provided with capacitive blocking of the mercury level, ensures a measuring accuracy of ± 3 micr. Hg. Methods of melting of zinc are described with maximum impurities of 0.0003% and of determining the thermodynamic freezing point of gold having an impurity limit below 0.0001%. Measurement results are given and the total measuring error is computed. On the strength of these results the temperature of $419.57 \pm 0.2^\circ\text{C}$ was found to be the most probable temperature of the thermodynamic equilibrium between solid and liquid gold while $1064.5 \pm 2^\circ\text{C}$ seems to be the most the probable freezing point of silver. There are 5 figures and 8 references.

[Abstracter's note: Complete translation.]

Card 2/2

AREFYEVA, N. V.; DIYKOV, U. V.; IZRAILOV, K. S.;
KIRENKOV, I. I.; SHEMETILLO, N. V. (3)

"Nouvelles mesures de la temperature thermodynamique des
points de congelation du zinc et de l'or"
Report presented at the 6th Session of the Advisory Committee
on Thermometry to the International Committee on Weights and
Measures, Sevres, France, 25-27 Sep 62

Institut de Metrologie D.I. Mendeleev (U. R. S. S.)

AREF'YEVA, N.V.; DIYKOV, U.V.; IZRAILOV, K.S.; KIRENKOV, I.I.;
~~SHEMETILLO, N.V.~~

Measurement of the thermodynamic temperature of the
equilibrium between solid and liquid zinc and between
solid and liquid gold. Trudy inst.Kom.stand., ser 1 izm.prib.
no.49:13-23 '60. (MIRA 15:12)

(Thermometry)
(Zinc--Thermal properties)
(Gold--Thermal properties)

AREF'YEVA, N. V.; DITKOV, U. V.; IZRAILOV, K. S.; KIRENKOV, I. I.;
SHEMETILLO, N. V.

Thermodynamic temperatures of the equilibrium between solid
and liquid zinc and between solid and liquid gold. Trudy inst.
Kom. stand., ser i izm. prib. no.51:23-34 '61.
(MIRA 16:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii
im. D. I. Mendeleyeva.

(Thermometry) (Zinc—Thermal properties)
(Gold—Thermal properties)

AREF'YEVA P.

In rest homes near Moscow. Prom.koop. no.7:40 J1 '57. (MLRA 10:8)

1.Predsdatel' pravleniya Mosgorpromstrakhsoveta.
(Moscow Province--Labor rest homes)

AREF'YEVA, P.; ROTMAN, R.

Young specialists. Prom. kcep. 13 no.7:36 JI '59.

(MIRA 12:10)

1. Predsedatel' pravleniya Mosgorpromstrakhsoveta (for Aref'yeva).
(Moscow--Pioneers (Communist Youth))

PROFIMOV, N.P.; AREF'YEVA, S.A.; KOMAROVA, T.A.; LITVINENKO, T.G.; SEMOV,
V.A.; SKOSTREVA, N.A.; KUCHERBAKOV, N.P.; FEDOROV, P.I., otv.red.;
SAYTANIDI, Z.D., tekhn.red.

[Wages on state farms; a collection of materials on wages and work
norms for state farms] Oplata truda v sovkhovakh; sbornik materialov
po opplate truda i normam vyrobki v sovkhovakh. Moskva, Izd-vo M-va
sel'.khoz.RSFSR, 1935. 380 p.
(MIRA 13:5)

1. Russia (1917- R.S.F.S.R.) Ministerstvo sel'skogo khozyaystva.
Upravleniye organizatsii truda i saraботnoy platy. 2. Upravleniye
organizatsii truda i saraботnoy platy Ministerstva sel'skogo kho-
zyaystva (for all except Fedorov, Saytanidi).
(Wages) (State farms)

BLAGONRAVOVA, A.A.; PRONINA, I.A.; "Prinimali uchastiye: SLIVOCHNIKOVA, M.V.,
AREF'YEVA, S.M."

Protective coatings based on polyurethans. Lakokras.mat. 1 ikh
prim. no.2:3-7 '61. (MIRA 14:4)

(Protective coating)

(Urethans)

L 41061-65 EPP(c)/EPR/EWP(j)/EWA(c)/EWI(m)/T Pc-4/Pr-4/Ps-4 RPL RM/WM
 ACCESSION NR: AP5007137 6/0303/65/000/001/0003/0006

AUTHOR: Blagonravova, A.A.; Ironina, I.A.; Aref'yeva, S.M.

TITLE: Catalytic action of metallic compounds on the reaction of isocyanates with hydroxyl-containing compounds (Part I)

SOURCE: Lakokrasochnyye materialy i ikh primeneniye, no. 1, 1965, 3-5

TOPIC TAGS: isocyanate copolymer, polyester synthesis, metal acetate, polymerization catalyst, metal naphthenate, toluylenediisocyanate, hydroxyethyl adipate

ABSTRACT: In a study of the catalytic action of Na, Li, K, Rb and Cs acetates (1), Ba, Ca, Mg and Be acetates and naphthenates (2), and Co, Cu, Fe, Mn, Cd, Ti and Al normal naphthenates (3) on polyester synthesis, the authors reacted a stoichiometric proportion of 2,4-toluylenediisocyanate and di-*p*-hydroxyethyl adipate in cyclohexanone at 50C at a total concentration of 0.575 μ for both, adding 0.00066 mol (1) or 0.0066 mol (2, 3) of the catalysts per liter. A setup made up of a conical flask with a mercury-sealed mixer and a reflux condenser, connected with an argon feeder and placed in a thermostat, was used for the reaction rate studies. 4-hr. observations of the reaction indicated a strong catalytic action of the alkali metals and metals with variable valence and no

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ACCESSION NR: AP5007137

noticeable action of the alkaline earth metals. The activity of the alkali metals was found to decrease in the order $\text{Cs} > \text{Rb} > \text{K} > \text{Na} > \text{Li}$ with the electronegative potential. Orig. art. has: 5 figures and 1 table.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: 00

NO REF SOV: 003

OTHER: 007

CC
2/2
Card

PRONINA, I.A.; SPIRIN, Yu.L.; BLAGONRAVOVA, A.A.; AREF'YEVA, S.M.; GANTMAKEER,
A.R.; MEDVEDEV, S.S., akademik

Mechanism underlying the catalytic action of Co^{2+} compounds in
the urethane-forming reaction. Dokl. AN SSSR 161 no.2:362-365 Mr
'65. (MIRA 18:4)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut
lakokrasochnoy promyshlennosti i Fiziko-khimicheskiy institut im.
L.Ya.Karpova.

L 1881-66 EWT(m)/EPF(c)/EWP(j)/EWP(t)/EWP(b) IJP(c) JD/JG/HW/RM

ACCESSION NR: AP5022505

UR/0303/65/000/004/0001/0004

667.621.633:543.422.4

AUTHOR: Blagonravova, A. A.; Pronina, I. A.; Uvarov, A. V.; Rudnaya, G. V.; Aref'yeva, S. M.

TITLE: Infrared spectroscopic study of the effect of metals on the reaction of formation of polyurethanes. Report No. 2.

SOURCE: Lakokrasochnyye materialy i ikh primeneniye, no. 4, 1965, 1-4

TOPIC TAGS: sodium compound, cobalt compound, polyurethane, IR spectroscopy

ABSTRACT: The reaction forming urethanes in the presence of sodium acetate and cobalt naphthenate catalysts was studied by means of IR spectroscopy, which makes it possible to follow the reaction between the isocyanate and the hydroxy ester and to establish the presence of side reactions. The starting reagents were 2,4-toluyelene diisocyanate and di- β -hydroxyethyl adipate. The IR spectroscopic method revealed a difference in the catalytic effect of salts of alkali metals and metals of variable valence: in addition to the main reaction forming urethane, side reactions occur in the presence of alkali metals (sodium acetate). It was found that as the concentration of the sodium salts decreases, the rate of the

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ACCESSION NR: AP5022505

side reactions also decreases. Cobalt salts are recommended as effective catalysts for the preparation of polyurethanes. Orig. art. has: 7 figures, 1 table, and 5 formulas.

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00

SUB CODE: MT, GC, OP

NO REF SOV: 001

OTHER: 003

mlr
Card 2/2

AREF'YEVA, T.A. [Aref'ieva, T.O.]

Effect of cooling on the respiratory function in cold-blooded vertebrates. Fiziol. zhur. [Ukr.] 7 no.2:226-234 Mr-Apr '61.

(HYPOTHERMIA)

(RESPIRATION)

(MIRA 14:4)

(ANIMALS, COLD-BLOODED)